

091-893316

CofZ

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to:
Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 01/19/2007 Signature: Melody Almberg
(Melody Almberg)

Docket No.: 291958161US1
Client Ref No. 01-0046US2

(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Reardon et al.

Patent No.: 7,094,291

Issued: August 22, 2006

For: SEMICONDUCTOR PROCESSING SPRAY
COATING APPARATUS

Certificate
JAN 24 2007
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.322

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Upon reviewing the above-identified patent, Patentee noted a typographical error which should be corrected.

In the Specification:

Front page, cited references: Please include the cited references from the resubmission of an Information Disclosure Statement filed June 17, 2005. The original Information Disclosure Statement was filed December 31, 2001 but did not include copies of references.

The error was not in the application as filed by applicant; accordingly no fee is required.

JAN 24 2007

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Applicant believes no fee is due with this request. However, if a fee is due, please charge our Deposit Account No. 50-0665, under Order No. 291958161US1 from which the undersigned is authorized to draw.

Dated: January 19, 2006

Respectfully submitted,

By PTP

Paul T. Parker

Registration No.: 38,264

PERKINS COIE LLP

P.O. Box 1247

Seattle, Washington 98111-1247

(206) 359-8000

(206) 359-7198 (Fax)

Attorney for Applicant

JAN 24 2007.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 3

PATENT NO. : 7,094,291
APPLICATION NO. : 09/893,316
ISSUE DATE : August 22, 2006
INVENTOR(S) : Reardon et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Front Page, Cited References

Please include the cited references from the resubmission of an Information Disclosure Statement filed June 17, 2005. The original Information Disclosure Statement was filed without copies of cited references December 31, 2001. The cited references are listed below:

US-2,774,364	12-18-1956	Brobeil	US-4,668,334	05-26-1987	Doornveld
US-3,107,034	10-15-1963	Dunnous	US-4,687,542	08-18-1987	Davis et al.
US-4,688,918	08-25-1987	Suzuki et al.	US-4,693,777	09-15-1987	Hazano et al.
US-4,709,858	12-01-1987	Stern et al.	US-4,724,317	02-09-1988	Brown et al.
US-4,736,758	04-12-1988	Kusuhara	US-4,745,422	05-17-1988	Matsuoka et al.
US-4,749,440	06-07-1988	Blackwood et al.	US-4,778,559	10-18-1988	McNeilly
US-4,788,994	12-06-1988	Shinbara	US-4,793,282	12-27-1988	Greenberg et al.
US-4,797,316	01-10-1989	Hecq et al.	US-4,804,560	02-14-1989	Shioya et al.
US-4,830,882	05-16-1989	Ichinose et al.	US-4,832,580	05-23-1989	Tsuyoshi et al.
US-4,857,142	08-15-1989	Syverson	US-4,863,066	09-05-1989	Uffenheimer et al.
US-4,865,641	09-12-1989	Sasse et al.	US-4,871,417	10-03-1989	Nishizawa et al.
US-4,875,824	10-24-1989	Moe et al.	US-4,885,047	12-05-1989	Ury et al.
US-4,895,099	01-23-1990	D'Amato	US-4,900,395	02-13-1990	Syverson et al.
US-4,923,054	05-08-1990	Ohtani et al.	US-4,924,800	05-15-1990	Tanaka
US-4,932,353	06-12-1990	Kawata et al.	US-4,936,940	06-26-1990	Kawasumi et al.
US-4,938,691	07-03-1990	Ohkase et al.	US-4,944,837	07-31-1990	Nishikawa
US-4,960,406	10-02-1990	Gorodissky et al.	US-4,977,688	12-18-1990	Roberson, Jr. et al.
US-4,987,854	01-29-1991	Hall	US-4,996,080	02-26-1991	Daraktchiev
US-5,002,008	03-26-1991	Ushijima et al.	US-5,056,462	10-15-1991	Perkins et al.
US-5,065,692	11-19-1991	Hollesen et al.	US-5,085,560	02-04-1992	Thompson et al.
US-5,094,884	03-10-1992	Hillman et al.	US-5,127,362	07-07-1992	Iwatsu et al.
US-5,168,886	12-08-1992	Thompson et al.	US-5,168,887	12-08-1992	Thompson et al.
US-5,183,508	02-02-1993	Cholinski	US-5,224,503	07-06-1993	Thompson et al.
US-5,232,328	08-03-1993	Owczarz et al.	US-5,235,995	08-17-1993	Bergman et al.
US-5,252,137	10-12-1993	Tateyama et al.	US-5,270,248	12-14-1993	Rosenblum et al.
US-5,358,740	10-25-1994	Bornside et al.	US-5,378,511	01-03-1995	Cardinali et al.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Paul T. Parker
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247

1

JAN 24 2007

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 3

PATENT NO. : 7,094,291
APPLICATION NO. : 09/893,316
ISSUE DATE : August 22, 2006
INVENTOR(S) : Reardon et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

US-5,395,803	03-07-1995	Adams	US-5,403,617	04-04-1995	Haaland
US-5,429,912	07-04-1995	Neoh	US-5,431,421	07-11-1995	Thompson et al.
US-3,148,085	09-08-1964	Wiegmann	US-3,313,266	04-11-1967	Kelson
US-3,326,717	06-20-1967	Gregor et al.	US-3,339,297	09-05-1967	Stinn et al.
US-3,489,608	01-13-1970	Jacobs et al.	US-3,585,668	06-22-1971	Jaccodine et al.
US-3,601,627	08-24-1971	Booher	US-3,727,620	04-17-1973	Orr
US-3,773,578	11-20-1973	Glendinning et al.	US-4,056,462	11-01-1977	Li et al.
US-4,065,692	12-27-1977	Osterhout	US-4,085,560	04-25-1978	McClosky
US-4,094,884	06-13-1978	Kelly	US-4,127,362	11-28-1978	Fladby
US-4,139,333	02-13-1979	Sipos	US-4,159,917	07-03-1979	Gluck
US-4,161,356	07-17-1979	Giffin et al.	US-4,168,886	09-25-1979	Grifaliunas
US-4,168,887	09-25-1979	Yevick	US-4,183,508	01-15-1980	Michelet et al.
US-4,192,087	03-11-1980	Salomon	US-4,222,345	09-16-1980	Bergfelt et al.
US-4,224,503	09-23-1980	Gijzel et al.	US-4,232,328	11-04-1980	Hartman et al.
US-4,246,088	01-20-1981	Murphy et al.	US-4,252,137	02-24-1981	Cohen
US-4,264,374	04-28-1981	Beyer et al.	US-4,267,212	05-12-1981	Sakawaki
US-4,270,248	06-02-1981	Akashi	US-4,282,825	08-11-1981	Nagatomo et al.
US-4,290,384	09-22-1981	Ausschnitt et al.	US-4,313,266	02-02-1982	Tam
US-4,339,297	07-13-1982	Aigo	US-4,344,743	08-17-1982	Bessman et al.
US-4,378,511	03-29-1983	Simovits, Jr.	US-4,403,617	09-13-1983	Tretinyak
US-4,416,213	11-22-1983	Sakiya	US-4,429,912	02-07-1984	Smith, Jr.
US-4,429,983	02-07-1984	Cortellino et al.	US-4,437,812	03-20-1984	Abu-Shumays et al.
US-4,457,259	07-03-1984	Samuels	US-4,457,419	07-03-1984	Ogami et al.
US-4,475,665	10-09-1984	Norton	US-4,483,665	11-20-1984	Hauser
US-4,519,846	05-28-1985	Aigo	US-4,542,038	09-17-1985	Odaka et al.
US-4,580,699	04-08-1986	Black et al.	US-4,588,185	05-13-1986	Shoda et al.
US-4,590,094	05-20-1986	Ringer, Jr.	US-4,601,627	07-22-1986	Oka et al.
US-4,605,479	08-12-1986	Faith, Jr.	US-4,651,440	03-24-1987	Karl
JP-45-40458	12/1970		JP-1-204427	08-17-1989	Hitachi Ltd.
JP-1-304732	11-17-1998	Kubota Corp.	JP-231330	11-16-1985	Seiichirou Sougou
JP-54-161275	12-20-1979	Toshiba Corp.	JP-56-88320	07-17-1981	Fujitsu Ltd.
JP-58-19475	02-04-1983	Asahi Chem Ind Co. Ltd	JP-59-166675	09-20-1984	Fujitsu KK
JP-61-148820	07-07-1986	Hitachi Ltd.			
JP-54-71991	06-08-1979	Matsushita Electronics Corp.			
JP-3010-974	08-15-1979	Matsushita Elec Ind. Co. Ltd.			

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Paul T. Parker
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247

2

JAN 24 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 3 of 3

PATENT NO. : 7,094,291
APPLICATION NO. : 09/893,316
ISSUE DATE : August 22, 2006
INVENTOR(S) : Reardon et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

A Mechanism of Particle Generation and a Method to Suppress Particles in Vapor HF/H₂O System", in Shigeo Onishi, et al., Extended abstracts of the 22nd (1990 International) Conference on Solid State Devices and Materials, Sendai, 1990, pp. 1127-1139

BEYER et al., "IBM Tech. Disc. Bull," Etching of SiO₂ in Gaseous HF/H₂O, Vol 19, No. 7, December 1976, p 2513

BRISKA, M. et al. "Process for Reducing Gold or Copper Wafer Contamination During Oxide Removal," IBM Technical Disclosure Bullentin, Vol 19, No. 7, p. 2574, December 1976

BURGGRAAF, Pieter, "Vapor-Phase Cleaning at Reduced Pressure," Semiconductor International, p 36 (Dec. 1989)

IBM Technical Disclosure Bulletin, Vol. 32, No. 1, June 1989, "Upside-Down Resist Coating of Semiconductor Wafers"

MOREAU et al., "Wafer Cleaner System," IBM Technical Disclosure Bulletin, Vol 19, No. 10, pp 2905-2906 (March 1972)

Product Brochure, "Preliminary Product Information-EDGE 2000", Advantage, Production Technology Incorp (1989).

VAN DER HEIDE, P.A.M., et al., "Etching of Thin SiO₂ Layers Using Wet HR Gas," J. Vac. Sci. Technol. A7(3), pp. 1719-1723, (May/June 1989).

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Paul T. Parker
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247

3

JAN 24 2007

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 3

PATENT NO. : 7,094,291
APPLICATION NO. : 09/893,316
ISSUE DATE : August 22, 2006
INVENTOR(S) : Reardon et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Front Page, Cited References

Please include the cited references from the resubmission of an Information Disclosure Statement filed June 17, 2005. The original Information Disclosure Statement was filed without copies of cited references December 31, 2001. The cited references are listed below:

US-2,774,364	12-18-1956	Brobeil	US-4,668,334	05-26-1987	Doornveld
US-3,107,034	10-15-1963	Dunnous	US-4,687,542	08-18-1987	Davis et al.
US-4,688,918	08-25-1987	Suzuki et al.	US-4,693,777	09-15-1987	Hazano et al.
US-4,709,858	12-01-1987	Stern et al.	US-4,724,317	02-09-1988	Brown et al.
US-4,736,758	04-12-1988	Kusuhara	US-4,745,422	05-17-1988	Matsuoka et al.
US-4,749,440	06-07-1988	Blackwood et al.	US-4,778,559	10-18-1988	McNeilly
US-4,788,994	12-06-1988	Shinbara	US-4,793,282	12-27-1988	Greenberg et al.
US-4,797,316	01-10-1989	Hecq et al.	US-4,804,560	02-14-1989	Shioya et al.
US-4,830,882	05-16-1989	Ichinose et al.	US-4,832,580	05-23-1989	Tsuyoshi et al.
US-4,857,142	08-15-1989	Syverson	US-4,863,066	09-05-1989	Offenheimer et al.
US-4,865,641	09-12-1989	Sasse et al.	US-4,871,417	10-03-1989	Nishizawa et al.
US-4,875,824	10-24-1989	Moe et al.	US-4,885,047	12-05-1989	Ury et al.
US-4,895,099	01-23-1990	D'Amato	US-4,900,395	02-13-1990	Syverson et al.
US-4,923,054	05-08-1990	Ohtani et al.	US-4,924,800	05-15-1990	Tanaka
US-4,932,353	06-12-1990	Kawata et al.	US-4,936,940	06-26-1990	Kawasumi et al.
US-4,938,691	07-03-1990	Ohkase et al.	US-4,944,837	07-31-1990	Nishikawa
US-4,960,406	10-02-1990	Gorodissky et al.	US-4,977,688	12-18-1990	Roberson, Jr. et al.
US-4,987,854	01-29-1991	Hall	US-4,996,080	02-26-1991	Daraktchiev
US-5,002,008	03-26-1991	Ushijima et al.	US-5,056,462	10-15-1991	Perkins et al.
US-5,065,692	11-19-1991	Hollesen et al.	US-5,085,560	02-04-1992	Thompson et al.
US-5,094,884	03-10-1992	Hillman et al.	US-5,127,362	07-07-1992	Iwatsu et al.
US-5,168,886	12-08-1992	Thompson et al.	US-5,168,887	12-08-1992	Thompson et al.
US-5,183,508	02-02-1993	Cholinski	US-5,224,503	07-06-1993	Thompson et al.
US-5,232,328	08-03-1993	Owczarz et al.	US-5,235,995	08-17-1993	Bergman et al.
US-5,252,137	10-12-1993	Tateyama et al.	US-5,270,248	12-14-1993	Rosenblum et al.
US-5,358,740	10-25-1994	Bornside et al.	US-5,378,511	01-03-1995	Cardinali et al.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Paul T. Parker
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247

1

JAN 24 2007

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 3

PATENT NO. : 7,094,291
APPLICATION NO. : 09/893,316
ISSUE DATE : August 22, 2006
INVENTOR(S) : Reardon et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

US-5,395,803	03-07-1995	Adams	US-5,403,617	04-04-1995	Haaland
US-5,429,912	07-04-1995	Neoh	US-5,431,421	07-11-1995	Thompson et al.
US-3,148,085	09-08-1964	Wiegmann	US-3,313,266	04-11-1967	Kelson
US-3,326,717	06-20-1967	Gregor et al.	US-3,339,297	09-05-1967	Stinn et al.
US-3,489,608	01-13-1970	Jacobs et al.	US-3,585,668	06-22-1971	Jaccodine et al.
US-3,601,627	08-24-1971	Booher	US-3,727,620	04-17-1973	Orr
US-3,773,578	11-20-1973	Glendinning et al.	US-4,056,462	11-01-1977	Li et al.
US-4,065,692	12-27-1977	Osterhout	US-4,085,560	04-25-1978	McClosky
US-4,094,884	06-13-1978	Kelly	US-4,127,362	11-28-1978	Fladby
US-4,139,333	02-13-1979	Sipos	US-4,159,917	07-03-1979	Gluck
US-4,161,356	07-17-1979	Giffin et al.	US-4,168,886	09-25-1979	Grifaliunas
US-4,168,887	09-25-1979	Yevick	US-4,183,508	01-15-1980	Michelet et al.
US-4,192,087	03-11-1980	Salomon	US-4,222,345	09-16-1980	Bergfelt et al.
US-4,224,503	09-23-1980	Gijzel et al.	US-4,232,328	11-04-1980	Hartman et al.
US-4,246,088	01-20-1981	Murphy et al.	US-4,252,137	02-24-1981	Cohen
US-4,264,374	04-28-1981	Beyer et al.	US-4,267,212	05-12-1981	Sakawaki
US-4,270,248	06-02-1981	Akashi	US-4,282,825	08-11-1981	Nagatomo et al.
US-4,290,384	09-22-1981	Ausschnitt et al.	US-4,313,266	02-02-1982	Tam
US-4,339,297	07-13-1982	Aigo	US-4,344,743	08-17-1982	Bessman et al.
US-4,378,511	03-29-1983	Simovits, Jr.	US-4,403,617	09-13-1983	Tretinyak
US-4,416,213	11-22-1983	Sakiya	US-4,429,912	02-07-1984	Smith, Jr.
US-4,429,983	02-07-1984	Cortellino et al.	US-4,437,812	03-20-1984	Abu-Shumays et al.
US-4,457,259	07-03-1984	Samuels	US-4,457,419	07-03-1984	Ogami et al.
US-4,475,665	10-09-1984	Norton	US-4,483,665	11-20-1984	Hauser
US-4,519,846	05-28-1985	Aigo	US-4,542,038	09-17-1985	Odaka et al.
US-4,580,699	04-08-1986	Black et al.	US-4,588,185	05-13-1986	Shoda et al.
US-4,590,094	05-20-1986	Ringer, Jr.	US-4,601,627	07-22-1986	Oka et al.
US-4,605,479	08-12-1986	Faith, Jr.	US-4,651,440	03-24-1987	Karl
JP-45-40458	12/1970		JP-1-204427	08-17-1989	Hitachi Ltd.
JP-1-304732	11-17-1998	Kubota Corp.	JP-231330	11-16-1985	Seiichirou Sougou
JP-54-161275	12-20-1979	Toshiba Corp.	JP-56-88320	07-17-1981	Fujitsu Ltd.
JP-58-19475	02-04-1983	Asahi Chem Ind Co. Ltd	JP-59-166675	09-20-1984	Fujitsu KK
JP-61-148820	07-07-1986	Hitachi Ltd.			
JP-54-71991	06-08-1979	Matsushita Electronics Corp.			
JP-3010-974	08-15-1979	Matsushita Elec Ind. Co. Ltd.			

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Paul T. Parker
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247

2

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 3 of 3

PATENT NO. : 7,094,291
APPLICATION NO. : 09/893,316
ISSUE DATE : August 22, 2006
INVENTOR(S) : Reardon et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

A Mechanism of Particle Generation and a Method to Suppress Particles in Vapor HF/H₂O System", in Shigeo Onishi, et al., Extended abstracts of the 22nd (1990 International) Conference on Solid State Devices and Materials, Sendai, 1990, pp. 1127-1139

BEYER et al., "IBM Tech. Disc. Bull.," Etching of SiO₂ in Gaseous HF/H₂O, Vol 19, No. 7, December 1976, p 2513

BRISKA, M. et al. "Process for Reducing Gold or Copper Wafer Contamination During Oxide Removal," IBM Technical Disclosure Bullentin, Vol 19, No. 7, p. 2574, December 1976

BURGGRAAF, Pieter, "Vapor-Phase Cleaning at Reduced Pressure," Semiconductor International, p 36 (Dec. 1989)

IBM Technical Disclosure Bulletin, Vol. 32, No. 1, June 1989, "Upside-Down Resist Coating of Semiconductor Wafers"

MOREAU et al., "Wafer Cleaner System," IBM Technical Disclosure Bulletin, Vol 19, No. 10, pp 2905-2906 (March 1972)

Product Brochure, "Preliminary Product Information-EDGE 2000", Advantage, Production Technology Incorp (1989).

VAN DER HEIDE, P.A.M., et al., "Etching of Thin SiO₂ Layers Using Wet HR Gas," J. Vac. Sci. Technol. A7(3), pp. 1719-1723, (May/June 1989).

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Paul T. Parker
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247

3

JAN 24 2007